

UNI-Smile Distractor

III. Surgical procedure

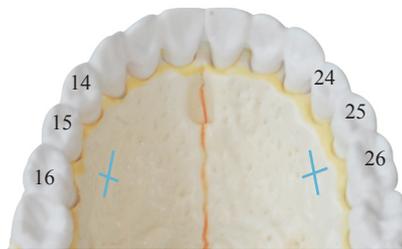


Sequence of the surgery

1. Corticotomies: lateral + midline (+ posterior disjunction)
2. Placement of the UNI-Smile Distractor with self-drilling screws between teeth n° (14)-15-16 and (24)-25-26

SP-022 Rev. B

INCISION



A cross palatal incision or an L-incision, between premolar and molar or between premolars has shown to be the ideal location. The incision is made 1 cm downwards as indicated on the picture.

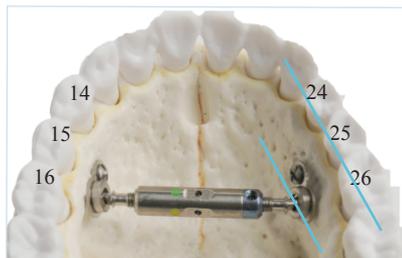
The correct distractor module can be measured bone to bone with the fitting models (IT0400).



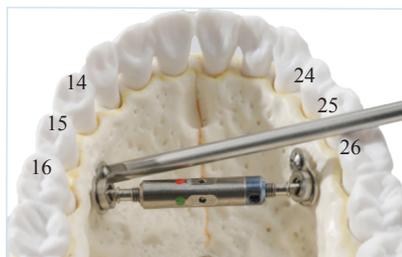
IT0400

PLACEMENT

Blue mark ALWAYS to the left!



The abutment plates are placed horizontally. The blue side is intended for the left side of the patient.



The Smile Distractor must be fixed to the palatal bone with a self-drilling screw on each side (DSSA06 or DSSA07 - screwdriver IT0315).



IT0315

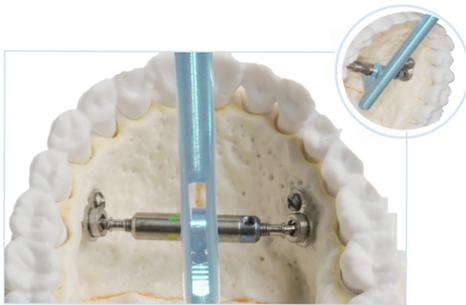


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ACTIVATION



The surgeon must activate the Smile Distractor until the two front teeth have an opening of ± 1 mm. To do this, place the key instrument (IT0314) over the middle part of the distractor body and turn from the front to the back.



IT0314

BLOCKING SCREW



The blocking screw (D002) is placed in one of the two available threaded holes with the screwdriver (IT0128). Place the blocking screw perpendicular over the cylinder, with a clear view of the screw hole. The blocking screw should be fixed real firm, using wrist force.



IT0128

Sequence of the distraction

1. At the end of the surgery, the blocking screw is tightly engaged using wrist force. Place a tampon in case the blocking screw should drop.
2. One week after the surgery the activation of the Smile Distractor is started. Remove the blocking screw and expand until bone resistance is felt, then turn once or twice more. During activation (1 to 2 weeks) the patient should turn two times a day a quarter of a turn. At each quarter of a turn a new colour appears.
3. After completion of the distraction put the blocking screw back real firm, using wrist force. The distractor needs to stay in place 3 to 6 months.

